课程名（Coursename）

Crystal Structure Refinement

课程代码（Coursenumber）

5.067

课程对象（Audience）

Graduate H-level Grad Credit

选课前提（prerequisite）

5.068, 5.069, or permission of instructor

单元（units）

1-2-3

添加至时间表 （add to schedule）

开课教师（Teacher）

P. Mueller

学期（Semester）

fall term

课程描述（Description）

Practical aspects of crystal structure determination from data collection strategies to data reduction and basic and advanced refinement problems of organic and inorganic molecules.

课时信息（Totalhours）

教参信息（Textbookinfo）

1 Crystal Structure Refinement: A Crystallographer's Guide to SHELXL (International Union of Crystallography Texts on Crystallography) by Peter Müller, Regine Herbst-Irmer, Anthony Spek, and Thomas Schneider (Hardcover - Sept. 7, 2006)

Publisher: Oxford University Press, USA (September 7, 2006)

ISBN-13: 978-0198570769

世界各地拥有馆藏的图书馆（OCLC）:147

2 Current Methods and Optimization Algorithms for the Refinement of X-Ray Crystal Structures by J. Uria (Paperback - Apr. 1, 1999)

Publisher: Taylor & Francis; 1 edition (April 1, 1999)

ISBN-13: 978-9056992514

3 Crystal Structure Determination (Oxford Chemistry Primers) by Professor William Clegg (Paperback - July 16, 1998)

Publisher: Oxford University Press, USA (July 16, 1998)

ISBN-13: 978-0198559016

4 Theories and Techniques of Crystal Structure Determination (International Union of Crystallography Monographs on Crystallography) by U. Shmueli (Paperback - Sept. 7, 2007)

Publisher: Oxford University Press, USA (September 7, 2007)

ISBN-13: 978-0199219667

世界各地拥有馆藏的图书馆（OCLC）:148

5 Single Crystal Neutron Diffraction From Molecular Materials by Chick C. Wilson (Hardcover - Jan. 15, 2000)

Publisher: World Scientific Publishing Company; 1st edition (January 15, 2000)

ISBN-13: 978-9810237769

6 Diffuse Scattering and Defect Structure Simulations: A Cook Book Using the Program DISCUS (International Union of Crystallography Monographs on Crystallography) by Reinhard B. Neder and Thomas Proffen (Hardcover - Jan. 13, 2009)

Publisher: Oxford University Press, USA; Har/Cdr edition (January 13, 2009)

ISBN-13: 978-0199233694

世界各地拥有馆藏的图书馆（OCLC）:77

7 Principles of X-ray Crystallography by Li-ling Ooi (Paperback - May 2, 2010)

Publisher: Oxford University Press, USA (May 2, 2010)

ISBN-13: 978-0199569045

世界各地拥有馆藏的图书馆（OCLC）:45

8 Crystal Structure Analysis: Principles and Practice (International Union of Crystallography) by Alexander J Blake, Jacqueline M Cole, John S O Evans, and Peter Main (Hardcover - Aug. 16, 2009)

Publisher: Oxford University Press, USA; 2 edition (August 16, 2009)

ISBN-13: 978-0199219469

世界各地拥有馆藏的图书馆（OCLC）:104

9 Structure Determination by X-Ray Crystallography by Mark F.C. Ladd and Rex A. Palmer (Paperback - Sept. 30, 2003) - Illustrated

Publisher: Springer; 4th edition (September 30, 2003)

ISBN-13: 978-0306474545

世界各地拥有馆藏的图书馆（OCLC）:191

10 Applications of Neutron Scattering to Soft Condensed Matter by Barbara J Gabrys (Hardcover - Dec. 21, 2000)

Publisher: CRC Press; 1 edition (December 21, 2000)

ISBN-13: 978-9056993009